I^st & final bill

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

59947

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... Sri. K. Jagadish .....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	Name of work :- Improvements to CC Roads 13th, 14th, 15th cross roads at Ravindra nagara in ward no 13. in Shettyhalli sub-division. (modified)					
	Job code :- 013-18-000056					
	A.A :- EE/DD/AA/162/17-18. dt:- 26.09.2017					
	T.S :- CE/DZ/TS/212/17-18. dt:- 26.09.2017.					
	Work order :- EE/DD/WO/233/17-18. dt:- 19.02.2018.					
	Est cost :- Rs. 40.00 Lakhs.					

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1.	Earthwork excavation by manual means in ordinary soil involving in average horizontal through upto 2m & an average lift upto 1.5m, excavated surface levelled & sides neatly the disposed earth to be levelled neatly It is completed as per Specification						

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M. A. R. 57 (Rule 116) **No. D**

Measurement Book

59948

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	Vide Qty Pg # 59996					117.96	cum
			@ ₹	1637.65/cum		—	₹ 193177-19
3.	Providing & laying in position plain cement concrete of min 1:4:8 with opc cement @ 180 kgs, with 40mm & down size graded granite metal coarse aggregates @ 0.85 cum, & fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick. It is completed as per specification						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Vide qty pg # 59998					153.33 cum	
				@ ₹ 5338.55/cum =		₹. 818580/-	
4.	Providing & laying in position plain cement concrete for side drains using M20 nominal mix concrete with opc Cement 300 kg. with 20mm & down size granite metal coarse aggregate @ 0.69 cum & fine aggregates @ 0.43 cum machine mixed. It is completed as per specification.						
	Side wall 17th cl (RIS)	2x	30.00x	0.15x	$\frac{0.6+0.58}{2}$	5.31	
		2x	30.00x	0.15x	$\frac{0.58+0.62}{2}$	5.40	25/1/2019
							E.E. (D.D.)

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M. A. R. 57 (Rule 116)
Measurement Book

No. D

59949

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	17th cross (WS)	2×	30.00×	0.15×	$\frac{0.62+0.6}{2}$	5.49	
		2×	30.00×	0.15×	0.60	5.40	
		2×	11.00×	0.15×	0.60	1.98	
		2×	30.00×	0.15×	$\frac{0.60+0.60}{2}$	5.40	
		2×	30.00	0.15×	$\frac{0.6+0.58}{2}$	5.31	
		2×	30.00×	0.15×	$\frac{0.58+0.62}{2}$	5.40	
		2×	30.00×	0.15×	$\frac{0.62+0.6}{2}$	5.49	

25/1/2019
E.E. (D.D.)

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2 ×	11.00 ×	0.15 ×	0.60	1.98	
	Vide Qty Pg# 59999		Raft Qty		(+)	35.38	cum
						82.53	cum
			@ ₹ 11416.4			—	₹ 942196=[illegible]
			3/1/2019				
5.	Cement concrete pavement. Construction of unreinforced plain Cement concrete pavement, thickness as per design, over a prep Sub base with OPC cement or any other type as per clau 1051.2.2. With 25mm & down size graded granite metal co aggregates & fine aggregates with Super plasticizer. It is completed as per specification.						

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M. A. R. 57 (Rule 116) No. D

Measurement Book

rial No. .....

59950

me of work ..... From ..... To .....

me of Contractor of nature of Agency.....

te of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
	2	3	4	5	6	7	8
	CC Pavement						
	13th CROSS	1×	30.00×	$\frac{5.10+5.0}{2}$	×0.15	22.73	
		1×	30.00×	$\frac{5.0+4.7}{2}$	×0.15	21.83	
		1×	30.00×	$\frac{4.7+4.5}{2}$	×0.15	20.70	
		1×	20.00×	$\frac{4.5+4.25}{2}$	×0.15	13.13	
	14th CROSS	1×	30.00×	$\frac{3.5+4.1}{2}$	×0.15	17.10	
		1×	30.00×	$\frac{4.1+3.7}{2}$	×0.15	17.55	

25/1/2019

E.E. (D.D.)

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MEASUREMENT BOOK

ite	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	15th cft	1×	30.00×	$\frac{3.7+3.6}{2}$ ×0.15		16.43	
		1×	24.00×	$\frac{3.6+4.7}{2}$ ×0.15		14.94	
		1×	30.00×	$\frac{3.8+3.2}{2}$ ×0.15		15.75	
		1×	30.00×	$\frac{3.2+3.9}{2}$ ×0.15		15.98	
		1×	30.00×	$\frac{3.9+3.8}{2}$ ×0.15		17.33	
		1×	29.90×	$\frac{3.8+3.2}{2}$ ×0.15		15.70	
						209.14	cum 1345-679.50
		@ ₹	6434.35			—	₹ 1345664=50

25/1/2019
E.E. (D.D.)

8/1/2019

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M. A. R. 57 (Rule 116) No. D

Measurement Book

59951

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
6.	Providing T.M.T. Steel reinforcement for R.C.C. Work including Straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire & anchoring to the adjoining member as it is completed as per specification. Vide Qty Pg# 59998					4.95 Tonne	32907.55
			@ ₹ 66479.10			—	₹ 329191=00
7.	providing groove cutting for width of 5mm to 10mm & depth 10mm to 100 mm including cost of cutting machine, generator & Hom						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of machinery, including cost of blade, Coolant etc. It is completed as per specification Vide Qty Pg # 59999					141.80 126.14	Rmt
			@ ₹	126.14		—	₹. 17,886.70
8. 2 Nr 8/1/19	providing & laying reinforced cement precast slabs of mix CC 1:1½:3 using 20mm & down size graded granite metal using HYSD 10mm dia steel @ 100mm c/c both ways. It is complete as per specification. Vide Qty Pg # 60000					104.40	Sqm
			@ ₹	1757.09		—	₹ 183440.70

Ltd to. 1738.30

1814.78 = 00

3940186 = 00

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Audited and admitted for Rs. 3940186=00

Passed by Cheque for Rs. 3738900=00

Serial No. — 201286=00

Accounts Superintendent

Exe. Engineer

M. A. R. 57 (Rule 116) No. D

Measurement Book 59952

Name of work ..... From ..... To .....

Name of Contractor or nature of Agency .....

Date of commencement of work .....

Dharmapuri Division

Date	Full description, etc. of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
				Total		₹. 3942230=00	8/1/2019

Certificate :-

Certified that the work is done satisfactorily.

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(Premeasurment)

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

Serial No. ..... Improvements to CC Roads 13th, 14th, 15th cross roads at

Name of work ..... Ravindra nagara From in ward No.13 To in Shettyhalli Sub division.

Name of Contractor of nature of Agency..... Sri. K. Jayadith.

Date of commencement of work..... Job - 013-18-000056

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	1. Earthwork excavation by manual means in ordinary soil involving in average horizontal through upto 2m & an average lift upto 1.5 m, excavated surface levelled & sides neately dressed, the disposed earth to be levelled neately. It is completed as per specification						
	CC Road 13th cross	1×	30.00×	$\frac{5.10+5.0}{2}$ ×0.45		68.18	
		1×	30.00×	$\frac{5.0+4.70}{2}$ ×0.45		65.48	
		1×	30.00×	$\frac{4.70+4.5}{2}$ ×0.45		62.10	
		1×	20.00×	$\frac{4.5+4.25}{2}$ ×0.45		39.38	

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	14th cross	1×	30.00×	1.10×	0.45	14.85	
		1×	30.00×	1.10×	0.45	14.85	
		1×	30.00×	1.00×	0.45	13.50	
		1×	24.00×	1.00×	0.45	10.80	
	15th cross	1×	30.00×	1.20×	0.45	16.20	
		1×	30.00×	1.20×	0.45	16.20	
		1×	30.00×	1.20×	0.45	16.20	
		1×	29.90×	1.20×	0.45	16.15	
	Rcc drain						
	17th cl(ed)	1×	30.00×	1.00×	1.00	30.00	
		1×	30.00×	1.00×	1.00	30.00	
		1×	30.00×	1.00×	1.00	30.00	
		1×	30.00×	1.00	1.00	30.00	

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M. A. R. 57 (Rule 116) **No. D**

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

59996

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	17th cross (WLS)	1×	30.00×	1.00×	1.00	30.00	
		1×	11.00×	1.00×	1.00	11.00	
		1×	30.00×	1.00×	1.00	30.00	
		1×	30.00×	1.00×	1.00	30.00	
		1×	30.00×	1.00×	1.00	30.00	
		1×	11.00×	1.00×	1.00	11.00	
						615.87 cum	21/02/18
2.	Construction of granular sub base by providing coarse graded crushed Stone aggregates of granite / trap / basalt material Spreading in uniform layer with motor grader. It is completed as per specification						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	13th CROSS	1×	30.00×	$\frac{5.10+5.0}{2}$	×0.15	22.73	
		1×	30.00×	$\frac{5.0+4.7}{2}$	× 0.15	21.83	
		1×	30.00×	$\frac{4.7+4.5}{2}$	×0.15	20.70	
		1×	20.00×	$\frac{4.5+4.25}{2}$	×0.15	13.13	
	14th CROSS	1×	30.00×	1.10 ×	0.15	4.95	
		1×	30.00×	1.10 ×	0.15	4.95	
		1×	30.00×	1.00 ×	0.15	4.50	
		1×	24.00×	1.00×	0.15	3.60	
	15th CROSS	1×	30.00×	1.20 ×	0.15	5.40	
		1×	30.00×	1.20×	0.15	5.40	
		1×	30.00×	1.20 ×	0.15	5.40	
		1×	29.90×	1.20×	0.15	5.38	
						117.96	CUM 22/02/18

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M. A. R. 57 (Rule 116) **No. D**

Measurement Book

59997

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3. Providing and laying in position plain cement concrete of mix 1:4:8 with OPC Cement @ 180 kgs with 40 mm & down size graded granite metal coarse aggregate. All Completed as per specification						
	13th cross	1×	30.00×	$\frac{5.10+5.0}{2}$ × 0.15		22.73	
		1×	30.00×	$\frac{5.0+4.70}{2}$ × 0.15		21.83	
		1×	30.00×	$\frac{4.7+4.50}{2}$ × 0.15		20.70	
		1×	20.00×	$\frac{4.5+4.25}{2}$ × 0.15		13.13	
	14th cross	1×	30.00×	1.10 ×	0.15	4.95	
		1×	30.00×	1.00×	0.15	4.95	
		1×	30.00×	1.00×	0.15	4.50	

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MEASUREMENT BOOK

ate 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	15th CROM	1×	24.00×	1.00×	0.15	3.60	
		1×	30.00×	1.20×	0.15	5.40	
		1×	30.00×	1.20×	0.15	5.40	
		1×	30.00×	1.20×	0.15	5.40	
		1×	29.90×	1.20×	0.15	5.38	
	Recdrain : 17th CROM (ES)	1×	30.00×	0.90×	0.15	4.05	
		1×	30.00×	0.90×	0.15	4.05	
		1×	30.00×	0.90×	0.15	4.05	
		1×	30.00×	0.90×	0.15	4.05	
		1×	11.00×	0.90×	0.15	1.49	
	17th ds (WLS)	1×	30.00×	0.90×	0.15	4.05	
		1×	30.00×	0.90×	0.15	4.05	
		1×	30.00×	0.90×	0.15	4.05	

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M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

59998

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1×	30.00×	0.90×	0.15	4.05	
		1×	11.00×	0.90×	0.15	1.49	
						153.33 cum	23/02/18
	providing T.M.T. Steel reinforcement for R.C.C. work including Straightening, cutting bending, hooking placing in position, lapping or welding It is computed as per Specification						
	Total length of drain = 131.0 + 131.0 ⇒ 262.00 m						
	main bar 10mm ϕ @ 0.12cm c/c						
	2220 × 2.15 × 0.62 kg/m =					2959.3 kg.	

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	distribution bars						
	(8mm ϕ) Side wall	2 × 5 ×	262.00 ×	0.39 kg/m		1021.8 kg	
	(10mm ϕ) Bed	1 × 6 ×	262.00 ×	0.62 kg/m		974.64 kg	
						4955.7 kg	
				Say =>		4.95 Tonne	25/02
5.	providing & laying plain reinforced cement concrete for side drain using M20 nominal mix concrete with opc cement 300 kgs. with 20mm down size granite metal course aggregate, all					completed as per specification	
	for Bed 17th Rly (RLS)	1 ×	30.00 ×	0.90 ×	0.15	4.05	
		1 ×	30.00 ×	0.90 ×	0.15	4.05	
		1 ×	30.00 ×	0.90 ×	0.15	4.05	

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M. A. R. 57 (Rule 116)
Measurement Book

No. D

59999

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1×	30.00×	0.90×	0.15	4.05	
		1×	11.00×	0.90	0.15	1.49	
		1×	30.00×	0.90×	0.15	4.05	
		1×	30.00×	0.90×	0.15	4.05	
		1×	30.00×	0.90×	0.15	4.05	
		1×	30.00×	0.90×	0.15	4.05	
		1×	11.00×	0.90×	0.15	1.49	
						35.37 Cum	
	6. providing groove cutting for width 8mm to 10mm & depth 80mm - comm including machine, generator. It is completed as per specification.						

03/03

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	13th cross	5 ×	5.00	–	–	25.00	
		6 ×	4.60	–	–	27.60	
	14th cross	5 ×	4.00	–	–	20.00	
		7 ×	3.80	–	–	26.60	
	15th cross	5 ×	3.80	–	–	19.90	
		3 ×	3.20	–	–	9.60	
		4 ×	3.50	–	–	14.00	
						141.80	Rmt
7.	providing & laying reinforced cement precast slabs of mix CC 1 : 1½ : 3 using 20mm & down size graded granite metal with HYSD 10mm ϕ steel. It is completed as per specification. 17th cl. (E/S)	1 ×	30.00	× 0.90 ×	–	27.00	

12/03/18

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M. A. R. 57 (Rule 116) **No. D**

Measurement Book

60000

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1×	32.00×	0.90	–	28.80	
	17th cl. (N/S)	1×	30.00×	0.90	–	27.00	
		1×	24.00×	0.90	–	21.60	
						104.40	Sqm

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